Abstract

A disk drive managing method manages disk drive in multiple disk-array system containing at least one disk-array. Each array has at least one disk drive with an array configuration. The array configuration comprises an array signature and serial check sum of each disk drive in the array. The method comprises steps of: detecting each disk drive in the system; reading an array configuration from the detected disk drive; validating the array signature of the disk drive being corrective or not; reading the serial check sum of other disk drive from the same array; recognizing the disk-array being recorded or not; and recording from the disk drive. The method can be used to manage single disk-array system, multiple disk-array system or span array system.

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